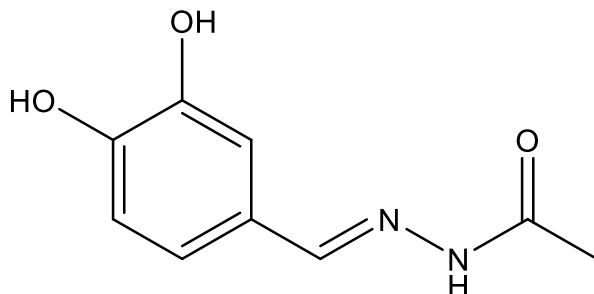


Catalog # 10-5162

DBIC-neg2

(E)-Nⁱ-(3,4-Dihydroxybenzylidene)acetohydrazide

Lot # S107071



A negative control compound for DBIC (Cat # 10-5161). DBIC-neg2 is structurally similar but inactive at inhibiting S-nitrosylation of DNA methyltransferase 3B (DNMT3B). Its use with DBIC represents a pair of new tools for studying the regulation of DNMT3B-mediated DNA methylation via S-nitrosylation.¹

- 1) Okuda *et al.* (2023), *Pivotal role for S-nitrosylation of DNA methyltransferase 3B in epigenetic regulation of tumorigenesis*; *Nat. Commun.*, **14** 621

PHYSICAL DATA

Molecular Weight:	194.19
Molecular Formula:	C ₉ H ₁₀ N ₂ O ₃
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (40 mg/ml)
Physical Description:	Pale yellow solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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